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COMPARISON OF PUBLISHED MEASURES OF JOB SATISFACTION ON A TAXONOMY OF JOB REWARDS

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By

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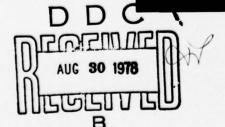
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This technical report has been reviewed and is approved for publication.

RAYMOND E. CHRISTAL, Technical Director Occupation and Manpower Research Division

DAN D. FULGHAM, Colonel, USAF Commander

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Item 20 Continued:

4. To compare, in particular, the Air Force Occupational Attitude Inventory against other measures of satisfaction.

A number of sources were used in developing the taxonomy of job rewards. The final list consisted of six major categories (General Organizational Rewards, Task, Interaction With Others, Extrinsic Rewards, External Rewards, and Overall Job Satisfaction). Within a major category there were also a number of subcategories as well as a very large number of specific reward areas. A considerable number (35) of intrinsic rewards were listed within the major category of Task, under the categories of intrinsic rewards and personal control.

Once the list of job rewards was complete, eighteen measures of job satisfaction were compared as to the degree which they either fully or partially covered each of the major categories, subcategories, and specific reward areas. Included among these measures was the Air Force Occuaptional Attitude Inventory (OAI). By far the most comprehensive measures were the OAI, which covered 107 specific reward areas, and the Minnesota IRC Satisfaction scales, which covered 90 specific reward areas. In addition, the OAI covered 13 of 15 subcategories and the Minnesota Scales covered 12 of 15 categories.

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PREFACE

The work reported in this study was funded by the Air Force Office of Scientific Research. This work was related to ongoing research in the Occupation and Manpower Research Division of the Air Force Human Resources Laboratory. Dr. Joe T. Hazel and Capt. John O. Edwards, Jr., were the monitors from this Division. The research was completed under project 2313, Human Resources, task 2313T1, Job Requirements and Personnel Utilization, work unit 2313T107, Improved Productivity Through Use of Intrinsic Rewards.

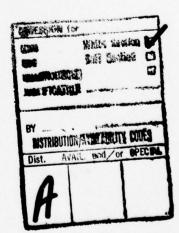


TABLE OF CONTENTS

		Page
I.	Introduction	5
II.	Procedures	5
III.	Conclusions	23
Refe	ences	23
	LIST OF TABLES	
Table		Page
1	Final List of Rewards	6
2	Name, Abbreviation and Original Source of the 18 Job Satisfaction	
	Measures Used in the Study	10
3	Comparison of 18 Job Satisfaction Measures	12
4	Summary of Reward Area Coverage	21
5	Comparison of 18 Satisfaction Measures Across 15 Major Reward Areas	22

COMPARISON OF PUBLISHED MEASURES OF JOB SATISFACTION ON A TAXONOMY OF JOB REWARDS.

I. INTRODUCTION

The concept of job satisfaction has been a major variable in industrial psychology since the 1930s. Literally thousands of articles have appeared over the years dealing with the topic. This work has dealt with defining it, developing measures of it, and exploring its relationship with other variables.

The Air Force has been actively involved in the job satisfaction area for two major reasons. First, having personnel with high levels of job satisfaction is a worthwhile goal in itself. Second, job satisfaction has shown consistent relationships with important behaviors, especially turnover (Porter & Steers, 1973).

The work reported here is part of a larger effort to explore the job satisfaction-reward-performance linkages. The overall logic of the work is that rewards influence both the level of satisfaction of a person on a job, and also his or her level of performance. In this particular report we attempt to generate a rather complete listing of rewards that exist in organizations and then compare existing measures of job satisfaction, including the Air Force's own Occupational Attitude Inventory (Tuttle, Gould, & Hazel, 1975; Gould, in press), as to how well these measures tapped these various types of rewards.

In particular, the work reported here had four specific objectives:

- 1. To develop as comprehensive a list as possible of the various types of rewards that could be available in an organization. This listing could be useful not only in comparing job satisfaction measures, but also for serving as a base for any attempt to modify the existing reward structure of an organization. For example, if one wished to institute an incentive reward system, examination of the reward list could be quite helpful in isolating potential incentives.
- 2. Of particular interest was the area of intrinsic satisfaction. The overall research project has and will continue to focus on intrinsic motivation. (Intrinsic motivation may be defined as a state where a person values high performance because he himself experiences positive affect when his performance is high.) Thus, it was particularly important to develop as comprehensive a list as possible of rewards of a more intrinsic nature.
- 3. To compare the major published measures of job satisfaction. This comparison had two components. One was to see how well the existing measures covered the reward area domain. The second was to be able to compare existing measures against each other in terms of what areas they covered. This sort of comparison will be especially useful for someone wanting to select a particular measure to use in a given setting.
- 4. Finally, as a special case of objective #3, it was desired to compare the Air Force Occuaptional Attitude Inventory to other existing measures in terms of content coverage.

II. PROCEDURES

The initial phase of this study was to generate the listing of reward areas. The goal was to generate as comprehensive a listing as possible. However, it was felt that to be really representative, these reward areas should be based on issues that are salient to people on actual jobs. That is, while it is beneficial for a researcher to intuitively develop lists of reward areas, it seemed more beneficial to rely heavily on what people in jobs said they liked and disliked about their jobs.

Two sources for this sort of information were used. The first source was a popular book, Working, by Studs Terkel. This may seem to be a somewhat unusual source, but it is extremely appropriate. In essence,

the book is a source of indepth interviews with people on all sorts of jobs talking about their work and what they like and dislike. It has several unique features which make it very worthwhile for this purpose. First, the interviews are very rich in content. They are fairly lengthy, and appear to deal with issues of real concern to the people. Second, the interviewees represent an extremely wide range of jobs. Included are people in such diverse jobs as corporate executive, auto mechanic, waitress, auto assembly foreman, farmer, hotel switchboard operator, professor, airline stewardees, secretary, writer, actor, press agent, telephone solicitor, and janitor. Finally, since the book is in essence transcripts from the interviews, the material is in the actual words of the job incumbent.

To develop the list of reward areas, the interviews in this book were carefully content analyzed. This procedure resulted in a list of approximately 975 specific reward areas.

The second source of material for the listing of reward areas came from interviews with Air Force personnel conducted as an earlier project (Pritchard, Von Bergen, & DeLeo, 1974). This project was an examination of incentive motivation techniques. As one part of this project, interviews were conducted with several hundred Air Force personnel at all ranks to determine the rewards they saw available in the Air Force. Based on a content analysis of these interviews, approximately 375 reward areas were identified. While some of these reward areas were specific to the Air Force, the vast majority could apply to any job.

The third source of reward areas was more traditional. Existing measures of job satisfaction and job attitudes were examined. Approximately fifty instruments were covered, and from this approximately 150 major reward areas were isolated.

At this point, approximately 1,500 reward areas were accumulated ranging from very specific rewards only present on one job, to major categories or reward. The next step was to edit and condense the list. To do this, several waves of editing took place. Items were combined, highly specific items were made more general, and a series of categories and subcategories were developed.

The final listing (Table 1) contains six major categories, a series of subcategories, and a large number of specific reward areas. The first major category is termed General Organization Rewards. It includes the subcategories of expected inputs, personnel control policies, interaction characteristics and management ability. This category is meant to reflect characteristics of the organization as a whole. That is, it refers to rewards that are controlled by the overall organization and not by a specific work group or supervisor. The second major category is rewards related to the Task. The subcategories are intrinsic rewards, personal control, working conditions, and work demands. This category refers to rewards that generally come about from doing the work assigned. That is, the rewards come from the kind of work done, the setting in which it is done, and the psychological meaning of the work.

Table 1. Final List of Rewards

General Organization Company policies toward personnel Fairness **Expected Inputs** Clarity b. Organizational Expectations of Uniformity of administration d. Interference with/enhancement of Degree of expected ingratiation job duties Pressure to conform Stability Pressure for performance Degree of control over where located Degree of discipline Union B. Personnel Control Policies Freedom to join union Development orientation (improving Negative consequences due to the abilities and skills of personnel) union membership Degree of organizational control over Transfer to other jobs or locations personal habits, appearance Frequency of Quality of training (degree of Ease of getting when desired preparation) Selection/Placement practices Job mobility due to training, ability or Fairness company policies h Adequacy

Recruiting

- 10. Layoffs
- C. Interaction Characteristics
 - Conflict cooperation between groups 1. or subunits
 - 2. Quality of formal organizational communication
 - 3. Status polarization (status levels clearly indicated and rigidly enforced)
 - 4. Organization's concern with social responsibility 5. Differentiation of responsibilities
 - among formal organizational subunits
 - Management's relation with workers Support for lower level supervisors
 - 8. Ideas offered from lower levels
 - Concern for
 - Use of
 - 9. Worker input into decision making/goal setting
- D. Management Ability
 - Competence/Intelligence (at dealing with environment)
 - Degree of success of the organization
 - Concern for improving internal operations
 - Formalization of rules and procedures (red tape, paperwork, etc.)
 - Clarity of authority structures

 - Openness to change Organization's long range plans
 - Clarity
 - Presence of b.
 - Direction of
 - Communication
 - Overall quality of product or service
 - Overall organization of work activities

II. Task

- A. Intrinsic rewards
 - Meaningfulness of work
 - Opportunity for creativity
 - 3. Degree to which doing the job is pleasurable
 - Being able to see the results of your efforts
 - Provides for new experiences
 - Ability to meet interesting people
 - Pride in doing a good job
 - Getting a feeling of accomplishment from a good job
 - Job allows you to prove your own skills
 - Job gives you a chance to develop your potentials
 - 11. Degree to which job utilizes your abilities (including experience, training,
 - Degree to which work is challenging
 - Ability to complete a whole unit of work (closure)
 - Degree to which job allows for learning of usefull skills
 - 15. Emotional involvement with job
 - 16. Interestingness of job
 - 17 Boringness of task
 - Repetitiveness vs. variety of job

- 19. Importance of job
- 20. Job complexity
- 21. Rate of change in the nature of the job
- Work puts you in embarrassing situations
- Being able to help others (inside the organization)
- Being able to keep busy
- 25. Feeling of competency in doing job
- 26. Amount of responsibility in job
- B. Personal Control
 - 1. Being able to do your tasks in the order you want to
 - Degree of independence
 - Working when you want to
 - Working at your own pace
 - 5. Being able to use your own methods of doing the job
 - Being able to take breaks
 - Being able to move around while working
 - Being told in advance about changes 8. that effect your work
 - Being able to work with whom you want
- **Working Conditions**
 - Working conditions
 - Unclean conditions
 - Injury possibility
 - Dangerous or unhealthy materials
 - d. Pleasantness
 - Heat cold
 - Lighting f. Ventilation
 - h. Noise
 - Space available
 - 2. **Facilities**
 - Eating b. Water, drinking
 - Toilets
 - Rest areas
 - Possibility of hurting co-workers or subordinates
 - Physical
 - Psychological
 - 4. Availability of resources to do job
 - Tasks
 - b. Equipment
 - Supplies
 - Personnel
 - Degree to which you work alone
 - 6. Degree of automation
 - Efficiency of job design
 - Quality of resources to do job 8.
 - Supplies
 - Personnel
 - Equipment
 - Safety precautions
- Work Demands
 - Hours worked 1. Number
 - Regularity b.
 - Time of day
 - Convenience d.
 - Flexibility

- 2. Physical demands
- Mental demands (mental fatigue)
- 4. Overworked - underworked
- Degree of stress, tension, anxiety
- Time pressures 6.
 - Degree of
 - Negative or positive effects of
- Equality of amount of work done or effort exerted

Interaction With Others

- General
 - Degree to which people seeks his ideas about job
 - Peer

 - b. Supervisor Subordinates
 - Sympathy when difficulties develop in doing the job
 - Peer
 - b.
 - Supervisor Subordinates
 - 3. Honesty (in work matters)
 - Peer
 - b. Supervisor
 - Subordinates
 - Helpfulness in doing job of
 - Peer
 - Supervisor b.
 - Subordinates
 - Opportunity to criticize
 - Peer
 - b. Supervisor
 - Subordinates
 - Openness to change
 - Peer
 - b. Supervisor
 - Subordinates
 - Feedback about how he does his job 7.
 - Clarity
 - b. Amount
 - Timeliness
 - Communication (to/from people you work with)
 - Degree of support (help person when in need)
 - Peers
 - b. Supervisor
 - Subordinates
 - Degree to which person trusts (believes)
 - Degree to which person is trusted by
 - Peers
 - b. Supervisor
 - Subordinates
 - Getting respect as a person
 - Peers
 - Supervisor b.
 - Subordinates
 - Being considered as an important person
 - Peers
 - Supervisor
 - Subordinates

- Interpersonal attraction
 - Peers
 - b. Supervisor
- Subordinates
- 15. Pressure to conform from
 - Peers
 - Supervisor
 - Subordinates
 - Recognition
 - Fairness of contingencies
 - Clarity of contingencies
 - Amount of
- 17. Amount of power over
 - Peers
 - b. Supervisor
 - Subordinates
 - Resources
- Friendliness or hostility of
 - Peers
 - b. Supervisor
 - Subordinates
- Job competence

 - Peers
 - Supervisor Subordinates
- 20. Social contacts
 - Amount
 - Opportunity for
- 21. Moral standards of (accepted to the individual involved)
 - Peers
 - b. Supervisor
 - Subordinates
- 22. Cooperation
 - Peers
 - b. Supervisor
 - Subordinates
- 23. Involvement with organization of
 - Peers
 - b Supervisor
 - Subordinates
- 24. Loyalty to organization of
 - Peers
 - Supervisor
 - Subordinates
- Performance Evaluation (quality and appropriateness)
- Required to do unethical things
- Degree to which person supervises others
- B. Supervisor
 - Clarity of your job duties
 - 2. Concerned with the quality of internal operations (specific environment)
 - Human relations of supervisor
 - Fairness to work assignments
 - Supervisor: impulsive vs. well-though-out practices
 - Discipline
 - Amount of responsibility given
 - 8. Conflict Cooperation with one's supervisor
 - 9. Consistency of feedback from one supervisor to another

		10.	Degree of influence person has in	7.	Job Security
			decision making		a. Degree of
		11.		0	b. Contingencies
		12.	Degree to which supervisor exploits	8.	Advancement
		12	person		Fairness of contingencies Clarity of contingencies
		13.	Degree of pressure for performance		
		14.	from supervisor	9.	c. Speed of (possibility for) Desirability of present locality (i.e.,
		14.	Willingness of supervisor to take care of problems that come up among	7.	place of assignment)
			subordinates		a. Housing facilities
		15.	Type of supervision given		b. Educational opportunities
		16.	The way supervisor supports his men		c. Cultural opportunities
	-				d. Shopping facilities
	C.	Peer			e. Cost of living
		1.	Team spirit		f. Size
		2.	Degree of competition among peers		g. Climate
		3.	Ambition of peers	10.	Being rewarded for extra inputs (e.g.,
		5.	Feelings of equality among peers		overtime, taking work home, etc.)
			Degree to which they work hard	11.	Union
	D.	Clier	nts		a. How well it gets extrinsics
		1.	Being considered important by clients		b. How well it protects person
		2.	Respect of person by clients		c. Fairness of policies
		3.	Power of clients over organization	12.	Travel
		4.	Power of clients over person		 Degree required
			a. Job Security		b. Opportunity for
			b. Autonomy		 Degree of comfort possible when
		5.	Demands made by clients		traveling (comfortable rooms,
		6.	Degree to which person deals with customers or public		travel itself is not long and arduous)
				13.	Way you have to dress, i.e., work attire
IV.	Ext	rinsic		14.	Overtime
		1.	Pay - type of pay system (e.g., bonus,		a. Opportunity for
			piece rate, etc.)		 Fairness of assignment to
		2.	Pay - fairness of way amount is	15.	Convenience of work location
		3.	determined (contingency) Pay		 a. Availability of transportation to work
			a. Amount of		b. Time it takes to get to work
			b. Regularity of		 Parking facilities
		4.	Pay – equity of		
		5.	Pay raises V.	External	
			a. Amount	1.	Status of job with
			b. Fairness		a. Family
			c. Contingencies		b. Friends
		6.	Fringe Benefits		c. Community
			a. Vacations		d. Other similar organizations
			b. Retirement	2.	Conflict with personal life
			c. Medical		a. Time with family, friends
			d. Dental		b. Privacy
			e. Insurance	3.	Helping - hurting the public (other
			f. Expense account		persons in general)
			g. Miscellaneous benefits (car,	4.	Helping - hurting the environment
			facilities, status symbols, etc.)		

The third major category is Interaction with Others. The first subcategory is termed general, and consists of a variety of rewards that are related to interaction with peers, superiors, and subordinates. Other subcategories deal with interaction issues more directly related to (a) supervisor, (b) peers, and (c) clients. The fourth major category is Extrinsic Rewards, and covers such areas as pay, fringe benefits, job security, etc. The last major category is External Rewards. These are rewards that, in general, come from sources outside the organization. Examples include status of the job with friends, conflict of the job with personal life, and helping — hurting the environment.

By far the largest category of rewards concerned the individual employee's interaction with other persons while on the job. One hundred and twenty-eight items fell into this major category. A relatively large number of rewards directly associated with the type of task the employee was doing were also found (84 items). The major categories of extrinsic rewards and general organizational rewards were represented by 50 and 55 items respectively. Only 16 external rewards were found as important to workers across a large number of jobs.

Once the list of reward areas was complete, eighteen satisfaction measures (Table 2) were selected for use in the second phase of the study. These measures were selected on the basis of (a) they seemed representative of the entire body of job satisfaction measures, and (b) they appeared to be standard measures which had been used to some degree in other investigations concerning job satisfaction.

Table 2. Name, Abbreviation and Original Source of the 18 Job Satisfaction Measures Used in the Study

Name	Abbreviation	Original Source	
Aldefer (1967)	1967 Aldefer	Aldefer, C. P.	1967
About Your Company	AYC	King, D. C.	1960
Employee Opinion Survey	EOS	Bolda, R. A.	1958
Index of Employee Satisfaction	IES	Morse, N.	1953
Index of Job Satisfaction	IJS	Kornhauser, A.	1965
Job Dimensions Blank	JDB	Schlotzer, V.	1965
Job Descriptive Index	JDI	Smith, P.C.	
		Kandall, L., &	
		Hulin, C.	1969
Job Satisfaction Scale	JS	Hoppock, R.	1935
Job Satisfaction Index	JS Index	Brayfield, A.H., &	
		Rothe, H. F.	195
Job Satisfaction Inventory	JS Inventory	Twery, R., Schmid, J.,	
		& Wrigley, C.	1958
Job Satisfaction Scale	JSS	Johnson, G. H.	1955
Managerial Job Attitudes	MJA	Harrison, R.	1960
Minnesota IRC Employee	Minn IRC EAS	Carlson, R.E.,	
Attitude Scale		Dawes, R.V.,	
		England, G.W., &	
		Loftquist, L. H.	1962
Minnesota IRC Satisfaction	Minn IRC SS	Industrial Relations	
Scales		Center, University	
		of Minnesota	1975
Minnesota Satisfaction	MSQ	Weiss, D.J.,	
Questionnaire		Dawes, R. V.,	
		England, G. W., &	
		Loftquist, L. H.	1967
Need Satisfaction in Work	NSW	Schaffer, R.	1953
USAF Occupational Attitude	OAI	Occupational &	
Inventory		Manpower Research	
		Division, Lackland	
		AFB, Texas	1975
Survey of Organizations	SO	Taylor, J. C., &	
		Bowers, D. G.	1972

Each of the items on the eighteen measures was then examined, and a determination was made as to which reward area the item tapped. In most recent cases this was fairly staightforward. However, there were several situations where the determination of which reward area an item covered was more difficult. The first of these was the case where an item covered a more general category of reward, but did not cover the specific reward areas under that more general category. For example, under the category of Personal Control (II, B) there are nine specific reward areas such as being able to do your tasks in the order you want to, working when you want to, working at your own pace, etc. If a particular item in one measure read, "How satisfied are you with your ability to work at your own speed?", this was handled simply by placing an "X" in the cell of the matrix (Table 3) corresponding to the column for that particular measure and the row for the reward area of working at your own pace. However, if an item read, "Having control over my work," this is more general and could contain elements from a number of more specific reward areas. In this case, a different designation was used in the matrix. Specifically, an "O" was placed in the row for the more general reward area. This would thus indicate that there is an item covering this reward area in a general or overall sense, but that the more specific reward areas under that category are not necessarily directly covered.

The second complicating situation was where an item covered a particular reward area only partially. That is, the item was somehow related to the reward area, but did not cover it completely. In this case, a "P" was indicated at the appropriate point in the matrix.

Finally, there were several instruments which included overall satisfaction items. Some of these were truely overall satisfaction in that they asked, for example, "Considering everything, how satisfied are you with your job?". Other instruments contained items covering major categories such as the company, the work itself, etc. It was felt valuable to reflect these coverages in the matrix, and the most convenient way to do this was to add another major category of rewards (VI) entitled Overall Job Satisfaction. This is not meant to be received as another category of rewards, but merely a way of indicating coverage of broader categories of reward.

The result of this process is presented in Table 3. It reflects the coverage of each of the eighteen measures on each of the categories of rewards.

Table 4 presents a summary of the matrix by indicating the total number of reward areas covered by each of the measures. By far the two most thorough measures were the Air Force Occupational Attitude Inventory (107 reward areas), and the Minnesota IRC Satisfaction Scales (90 reward areas). Such widely used measures as the Job Descriptive Index (42 reward areas) and the Minnesota Satisfaction Questionnaire (44 reward areas) did relatively well as compared to the other job satisfaction scales, as did the Job Satisfaction Scale (Johnson, 1955). It should be noted, however that less than 1/3 of the total possible reward areas were covered by even the most thorough satisfaction measure (107 out of 340).

In an effort to get some indication as to the degree to which specific reward areas were covered across all 18 of the satisfaction measures, Table 5 was constructed in a manner similar to Table 3, but with only 15 major subareas of rewards included. A satisfaction measure was considered to have "covered" a particular subarea if, as indicated in Table 3, it included at least two specific rewards within that major subarea. From Table 5 we see that both intrinsic rewards and general interaction rewards were covered by 14 of the 18 and 13 of the 18 satisfaction measures respectively. Interaction with the supervisor, extrinsic rewards, and overall rewards are also well represented among the 18 measures. Rewards relating to expected organization inputs, personal control, and specific interactions with peers and clients were under-represented among the 18 measures. In regard to the comparison of the 18 measures as to their coverage of these major reward subareas, the results were essentially the same as when considering all 340 of the specific rewards. There was, however, a greater proportion of the major subareas covered than was the case with the more specific rewards (e.g., the OAI covered 13 of 15 major subareas as compared to 107 of 340 specific rewards). Note that although only 10 of 19 measures included an item concerning overall job satisfaction, a number of these measures actually do cover this area by summing all of the items on the measure to get "overall" satisfaction.

Table 3. Comparison of 18 Job Satisfaction Measures

precided inputs To ganization at Expectations of monotoning proceed inputs Pressure for performance proceed in a second in a	Pressure for perfect in the following of Pressure of expected inguistical of the following the shall be confirmed to the following the shall be pressure for perfect inguistical of the following the shall be pressure for perfect in the shall be pressure for perfect in the shall be pressured to the shall		Reward Areas	1967 Alderfer AVC EOS IES 1JS JDB JDI JS Index	SOS IE	S 1.3	or gor	n 35 In	JS Inven- tory	ALM SSL	T 100	Minn. 1 IRC EAS	Minn. IRC SS	MSQ NSW OA! SO	NSW	OAI
Present performance Protectations of Progress in Market Performance Present Performance Present Performance Present Performance Personnel Professor of description (improving Present Performance Personnel Present Performance Personnel Present Personnel Present Personnel Present Personnel Performance Personnel Present Personnel Personnel Personnel Personnel Personnel Personnel Personnel Personnel Personnel Present Personnel Personnel Present Personnel Pe	Persure of expectations of Pages of the preferation (improving Pressure for configurational control over the abilities and skills of pressonale) The abilities of the abilities of pressonal pressonal proposed of the abilities of pressonal policies The abilities of the abilities of the pressonal	_	Organization													
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Table 3 (Continued)

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Table 3 (Continued)

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	20.		×	×	×						×	×	×	×	×		*	
	21.		×					4			:			×				
	22.										×						×	
	23	Situations Reing able to help others (incide ato																
	:																	
	24.													>	×		×	
	25.										×			<	×		×	
•	26. Per	5												×				
i	-	Being able to do your tasks in the order										0						
		you want to																
		Degree of independence					×				×			×	×	×	×	
	. 4	Working when you want to													:	:	: ×	
	·	Reing able to use your own mashede of															×	
	;	doing the joh													;			
	9	Being able to take breaks					×								×		×	
	7.	to to																
	0	working															×	
	xi	that effect contracts																
	6	Being able to work with whom you																
,	-	want															×	
c.	Mo.	Working Conditions		0	:													
	-	orki		× >	×						×	×	×	×	×		×	
		b. Injury possibility		<×													×	
				:													× 3	
							×							×			,	
		e. Heat - cold		×			×										~	
		r. Lignting		×													×	
		h. Noise		×														
		i. Space available															×	
	7	Facilities																
																	,	
																	×	
		C. loilets																
	3	seibility of hurting																
		subordinates																
		a. Physical																
		b. Psychological																

State of the state of

Table 3 (Continued)

			Reward Areas	1967 Alderfer AVC EOS IES IJS JDB JDI JS Index	AVC	EOS	ES	I SU)r 80	5	St Index	JS Inven- tory	JSS	MJA	Minn. IRC EAS	Minn. IRC SS	MSQ	MSQ NSW OA! SO	9 •	8
		4	vaila										×		×				×	1
																			×	
		vi	d. Personnel Degree to which you work alone													×				
		6	Degree of automation																*	
		· 00	Quality of resources to do job											×					•	
			b. Personnel																	
		•	3																×	
	D.	Wor	Work Demands						>	0			0;						:	
		-	Hours worked a. Number						<				<						×	
																			××	
			c. Time of day d. Convenience													×			<	
			e. Flexibility							,						×			>	
		4.	Physical demands						` ~ ×	×			× >						×	
		. 4·	Overworked – underworked			×							<×						×	
		'n	Degree of stress, tension, anxiety						×	×			×							
		9	Time pressures										×							
			a. Degree of bositive effects of																×	
			Equality of amount of work done or effort exerted												×			×	×	
Ħ	Inter	action	Interaction With Others																	
	¥	General	eral																	
		<u>-</u>	Degree to which people seeks his ideas														>			
			about Job														<			
		7	c. Subordinates Sympathy when difficulties develop in																×	
			doing the job																	×
			a. Peer	×																×
		3.	Honesty (in work matters)																	
		4	Helpfulness in doing in a										>		>			•		
		i	_	×									××		<			_		×
			b. Supervisor																	×

Table 3 (Continued)

	Reward Areas	1967 Alderfer AYC EOS IES 'IJS JDB JDI JS Index	AYC	EOS	ES 'US	907	9	2	JS Inven- tory J	A SSL	M.M.	Minn. Mi IRC EAS	Minn. C IRC	MSQ	MSQ NSW OA! SO	140	S
5.	Opportunity to criticize															×	1
		>															
,	C. Subordinates	<										>					
5	a. Peer																
,	c. Subordinates Essethack shout how he does his joh	×				*	*			×	*		*	*		>	>
	a. Clarity	<				<	<			<	<		<	<		<	<
œ.	Communication (to/from people you	×										>	*	>		>	>
6	Degree of support (help person when in											<	<	<		<	<
	need)																
	a. Peers	×							×					,			
														×			
	c. Subordinates																
10.	Degree to which person trusts (believes)									×			×				×
=	Degree to which person is trusted by												×				
=	Page to which person is trusted by																
	h Supervisor																×
																	:
12.	ettir															×	
	a. Peers	×	×							Ь							
13.	Being considered as an important					>						>	;	;		;	
	LESO					×						×	×	×		×	
	a. reers																
	6. Subordinates																
14.	iterp								×	×		×		×			
	a. Peers	×				×	×						×				
	b. Supervisor																
	c. Subordinates																
15.	essn									×					×		
	5. Subordinates																
16.	ecos	×				×	×			×	×		×	×	×	×	
	a. Fairness of contingencies													×		×	
	Ī													:			
	c. Amount of														×		
17.	Amount of power over																
	c. Subordinates															×	
	d. Kesources															×	

Table 3 (Continued)

		Reward Areas	1967 Alderfer	AYC	EOS	IES	STI STI	80	EOS IES IJS JDB JDI JS	JS	JS Inven- tory	SSL	MJA	Minn. IRC EAS	Minn. IRC SS	MSM	MSQ NSW OA! SO	OAI	8
-	18.	Friendliness or hostility of										×		>		>		>	>
		a. Peers							×			•		<	×	<		<	<
		b. Supervisor Subordinates																	×
-	19.	Job competence													>			>	>
						×		×	×			×			<×			<	×
		b. Supervisor							×		×			×	×	×		×	×
7	20.	c. Subordinates Social contacts							>				×				>		
		a. Amount							* ×								<	×	
•																		×	
,	71.	Moral standards of (accepted to the individual involved)																;	
		a. Peers																×	
		b. Supervisor							×										
,		c. Subordinates																	
•	.77	Cooperation													,				
															< ×				
															< ×				
7	23.	Involvement with organization of				×									:		×	×	×
		a. Peers																:	
,		c. Subordinates																	
7	. 47	Loyalty to organization of							;										×
		b. Supervisor							<										
7	25.	Performance Evaluation (quality and																	
		appropriateness)																×	
7	26.	Required to do unethical things										×		×	×	×	×	×	
•	:	others														>	>	>	
S	uper	Supervisor												•		<	<	<	
1		Clarity of your job duties										×		•	×				
5		Concerned with the quality of internal													:				
,		operations (specific environment)	:					×					×		×			×	
2. 4		Human relations of supervisor	×						×		×	×			×	×		×	
·		Supervisor: impulsive ve													×			۵.	
,		ractices																	
9		Discipline																	
															×				
1		b. fairness of													×				
r. œ		Amount of responsibility given Conflict - Cooperation with one's							×			×			×	×			×
											*								
9.		Consistency of feedback from one									•								
		supervisor to another																	

Table 3 (Continued)

	Reward Areas	1967 Alderfer AVC EOS IES IJS JDB JDI JS	A	EOS IE	Si	80r s	ē	JS Index	JS Inven- tory J	JSS M.	Minn. IRC MJA EAS	Minn. Minn. IRC IRC EAS SS		ž	MSQ NSW OA! SO	8	1 01
12.1. 19	Degree of influence person has in decision making Consistency of sent roles Degree to which supervisor exploits	× ×				×	×			×		*				-	2.
14.		· ×				×	<u>~</u> ×		*		*	*	×	*		×	
		× .				×	× ×			*	*	* *	* *		** **		×= ×
	Respect of person by clients Respect of person by clients Power of clients over organization Power of clients over person a. Job Security b. Autonomy Demands made by clients Degree to which person deals with customers or public					*									×		
Extrinsic 1. 2. 3.	Pay – type of pay system (e.g., bonus, piece rate, etc.) Pay – fairness of way amount is Pay pay pay	*				× × ×	××			× ×	**	**	××	*	***	*	
4. n.	3 4	×			× ×		××		n n	××	**	× ××	×		* *		
ø	Fringe Benefits a. Vacations b. Retirement c. Medical d. Dental e. Insurance f. Expense account g. Miscellaneous benefits (car, facilities, status symbols, etc.)	×				×	×			××	× ×	×			***		

₹.

Table 3 (Continued)

JS Inven-AIGerfer AVC EOS IES IJS JDB JDI JS Index tory
of encies
Advancement A Fairness of contingencies Clarity of contingencies Cartingencies Cartingencies Cartingencies Cartingencies
ity (i.e., X
Educational opportunities Chural opportunities Shopping facilities Cost of livine
(e.g.,
overtime, taking work home, etc.) Union 4. How well it gets extrinsics h. How well it notices needs
Fairness of policies Degree required Opportunity for
Degree of comfort possible when traveling (comfortable rooms, travel itself is not long and
Way you have to dress, i.e., work attire Overtime
 a. Opportunity for b. Fairness of assignment to Convenience of work location a. Availability of transportation to
w
Status of job with X a. Family
Freeds Within organization X Within organization X Persons in same profession

>

Table 3 (Continued)

	Reward Areas	1967 Alderfer AVC EOS IES 1JS JDB JDI JS Index	AYC	EOS	IES	ıs	108	ē	ST	JS	JS Inven- tory JSS MJA	155	M. M.	Minn. FAS	Minn. IRC SS	MSQ	MSQ NSW OAI SO	OA	Ň
5	Status of organization with																	×	
	a. Family																		
	b. Friends		×																
	c. Community														×				
	d. Other similar organizations														×				
3.	Conflict with personal life														:		×	×	
	a. Time with family, friends						×												
	b. Privacy						:					×						*	
4	Helping - hurting the public (other																	<	
	persons in general)						×								×		×	×	
5.	Helping - hurting the environment																		
Overall Jol	VI. Overall Job Satisfaction			0	0	0			0	0	0	0		0	0				
-1	Peers													×				×	×
2.	Supervisor										×								
3.	Subordinates																		
4	Work itself			×				×			×			×					×
5.	Pay	×			×		×	×											
.9	Company/plant		×		×	×					Ь								

Table 4. Summary of Reward Area Coverage

Instrument	Abbreviation	# of Reward Areas Covered
Aldefer (1967)	1967 Aldefer	27
About Your Company	AYC	13
Employee Opinion Survey	EOS	91
Index of Employee Satisfaction	ſĒS	12
Index of Job Satisfaction	US	9
Job Dimensions Blank	JDB	41
Job Descriptive Index	Idi	42
Job Satisfaction Scale	JS	-
Job Satisfaction Index	JS Index	9
Job Satisfaction Inventory	JS Inventory	91
Job Satisfaction Scale	JSS	55
Managerial Job Attitudes	MJA	24
Minnesota IRC Employee	Minn IRC EAS	30
Attitude Scale		
Minnesota IRC Satisfaction	Minn IRC SS	06
Scales Minnesota Satisfaction	MSO	44
Questionnaire		
Need Satisfaction in Work	NSW	18
USAF Occupational Attitude	OAI	107
Inventory		
Survey of Organizations	S	33

Table 5. Comparison of 18 Satisfaction Measures Across 15 Major Reward Areas

	1967 Alderfer AYC	A	EOS	IES	128	8 or	٥	St	JS	JS Inven- tory	JSS	MJA	Minn IRC EAS	Minn	MSQ	NSW	0 4	8	# of Measures which cover each area
Expected Inputs														×			×		2
Personnel Control Polices		×								×	×			×	×		×		9
Organizational																			
Characteristics		×										×	×	×			×	×	9
Management Ability		×										×		×			×	×	s
Intrinsic Rewards	×		×	×	×	×	×		×	×	×	×	×	×	×		×		4-
Personal Control						×									×		×		3
Working Conditions			×				×				×	×	×	×			×		7
Work Demands						×	×				×			×			×		2
General Information	×			×		×	×			×	×	×	×	×	×	×	×	×	13
Interaction Supervisor	×××					×	×			×	×		×	×	×		×	×	10
Interaction Peers						×											××		3
Interaction Clients																			
Extrinsics	×	×				×	××				×	×	×	×	×	×	×	×	12
Overall Satisfaction			×	×	×	<	<	×	×	×	××		×	××		<	×	×	10
# of Areas Covered	4	4	3	3	7	00	7	-	7	2	6	9	7	12	9	3	13	7	

III. CONCLUSIONS

Four objectives were presented at the beginning of this report. We shall consider each item in terms of the conclusions that can be drawn regarding them.

- 1. A very large list of reward areas was indeed generated by the procedures used. We feel fairly confident that the list is quite comprehensive in that it was based on what large numbers of people said about their own jobs in the interviews, and based on existing job satisfaction and job attitude measures.
- 2. A large number of rewards were identified that are intrinsic in nature. Some thirty-five rewards were identified under the categories of Intrinsic Rewards and Personal Control. While most of the job satisfaction measures included some coverage of these intrinsics, most cover them only partially. The major exceptions to this are the Air Force OAI which covers 22 of the 36, and the Minnesota IRC SS instrument which covers 18.
- The results do in fact enable us to compare the measures of job satisfaction. We are able to see how well different reward areas are covered, and able to compare specific measures against each other for breadth of coverage.
- 4. This comparison clearly indicates that the Air Force Occupational Attitude Inventory, while it does not cover all the specific reward areas, is by far the most comprehensive measure of job satisfaction of those commonly in use.

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